

```

#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<windows.h>
#include<string.h>
void gotoxy(int ,int );
void menu();
void add();
void view();
void search();
void modify();
void deleterec();
struct student
{
    char name[20];
    char mobile[10];
    int rollno;
    char course[20];
    char branch[20];
};
int main()
{
    gotoxy(15,8);
    printf("<--:Student Record Management System:-->");
    gotoxy(19,15);
    printf("Press any key to continue.");
    getch();
    menu();
    return 0;
}
void menu()
{
    int choice;
    system("cls");
    gotoxy(10,3);
    printf("<--:MENU:-->");
    gotoxy(10,5);
    printf("Enter appropriate number to perform following task.");
    gotoxy(10,7);
    printf("1 : Add Record.");
    gotoxy(10,8);

```

```
printf("2 : View Record.");
gotoxy(10,9);
printf("3 : Search Record.");
gotoxy(10,10);
printf("4 : Modify Record.");
gotoxy(10,11);
printf("5 : Delete.");
gotoxy(10,12);
printf("6 : Exit.");
gotoxy(10,15);
printf("Enter your choice.");
scanf("%d",&choice);
switch(choice)
{
case 1:
    add();
    break;

case 2:
    view();
    break;

case 3:
    search();
    break;

case 4:
    modify();
    break;

case 5:
    deleterec();
    break;

case 6:
    exit(1);
    break;

default:
    gotoxy(10,17);
    printf("Invalid Choice.");
}
```

```

}
void add()
{
    FILE *fp;
    struct student std;
    char another = 'y';
    system("cls");

    fp = fopen("record.txt", "ab+");
    if(fp == NULL){
        gotoxy(10,5);
        printf("Error opening file");
        exit(1);
    }
    fflush(stdin);
    while(another == 'y')
    {
        gotoxy(10,3);
        printf("<--:ADD RECORD:-->");
        gotoxy(10,5);
        printf("Enter details of student.");
        gotoxy(10,7);
        printf("Enter Name : ");
//        gets(std.name);////???
        gets(std.name);
        gotoxy(10,8);
        printf("Enter Mobile Number : ");
        gets(std.mobile);
        gotoxy(10,9);
        printf("Enter Roll No : ");
        scanf("%d",&std.rollno);
        fflush(stdin);
        gotoxy(10,10);
        printf("Enter Course : ");
//        gets(std.course);////???
        gets(std.course);
        gotoxy(10,11);
        printf("Enter Branch : ");
        gets(std.branch);
//        gotoxy(10,12);
//        printf("Enter Father's Name : ");
//        gets(std.fathername);

```

```

        fwrite(&std,sizeof(std),1,fp);
        gotoxy(10,15);
        printf("Want to add of another record? Then press 'y' else
'n'.");
        fflush(stdin);
//        another = getch();////???
        another = getch();
        system("cls");
        fflush(stdin);
    }
    fclose(fp);
    gotoxy(10,18);
    printf("Press any key to continue.");
    getch();
    menu();
}
void view()
{
    FILE *fp;
    int i=1,j;
    struct student std;
    system("cls");
    gotoxy(10,3);
    printf("<--:VIEW RECORD:-->");
    gotoxy(10,5);
    printf("S.No    Name of Student        Mobile No    Roll No    Course
Branch");
    gotoxy(10,6);
    printf("-----
-----");
    fp = fopen("record.txt","rb+");
    if(fp == NULL){
        gotoxy(10,8);
        printf("Error opening file.");
        exit(1);
    }
    j=8;
    while(fread(&std,sizeof(std),1,fp) == 1){
        gotoxy(10,j);
        printf("%-7d%-22s%-12s%-9d%-12s%-
12s",i,std.name,std.mobile,std.rollno,std.course,std.branch);
        i++;
    }
}

```

```

        j++;
    }
    fclose(fp);
    gotoxy(10,j+3);
    printf("Press any key to continue.");
    getch();
    menu();
}

void search()
{
    FILE *fp;
    struct student std;
    char stname[20];
    system("cls");
    gotoxy(10,3);
    printf("<--:SEARCH RECORD:-->");
    gotoxy(10,5);
    printf("Enter name of student : ");
    fflush(stdin);
    gets(stname);
    fp = fopen("record.txt","rb+");
    if(fp == NULL){
        gotoxy(10,6);
        printf("Error opening file");
        exit(1);
    }
    while(fread(&std,sizeof(std),1,fp ) == 1){
        if(strcmp(stname,std.name) == 0){
            gotoxy(10,8);
            printf("Name : %s",std.name);
            gotoxy(10,9);
            printf("Mobile Number : %s",std.mobile);
            gotoxy(10,10);
            printf("Roll No : %d",std.rollno);
            gotoxy(10,11);
            printf("Course : %s",std.course);
            gotoxy(10,12);
            printf("Branch : %s",std.branch);
        }
    }
    }
    fclose(fp);
    gotoxy(10,16);

```

```

    printf("Press any key to continue.");
    getch();
    menu();
}
void modify()
{
    char stname[20];
    FILE *fp;
    struct student std;
    system("cls");
    gotoxy(10,3);
    printf("<--:MODIFY RECORD:-->");
    gotoxy(10,5);
    printf("Enter name of student to modify: ");
    fflush(stdin);
    gets(stname);
    fp = fopen("record.txt","rb+");
    if(fp == NULL){
        gotoxy(10,6);
        printf("Error opening file");
        exit(1);
    }
    rewind(fp);
    fflush(stdin);
    while(fread(&std,sizeof(std),1,fp) == 1)
    {
        if(strcmp(stname,std.name) == 0){
            gotoxy(10,7);
            printf("Enter name: ");
            gets(std.name);
            gotoxy(10,8);
            printf("Enter mobile number : ");
            gets(std.mobile);
            gotoxy(10,9);
            printf("Enter roll no : ");
            scanf("%d",&std.rollno);
            gotoxy(10,10);
            printf("Enter Course : ");
            fflush(stdin);
            gets(std.course);
            gotoxy(10,11);
            printf("Enter Branch : ");

```

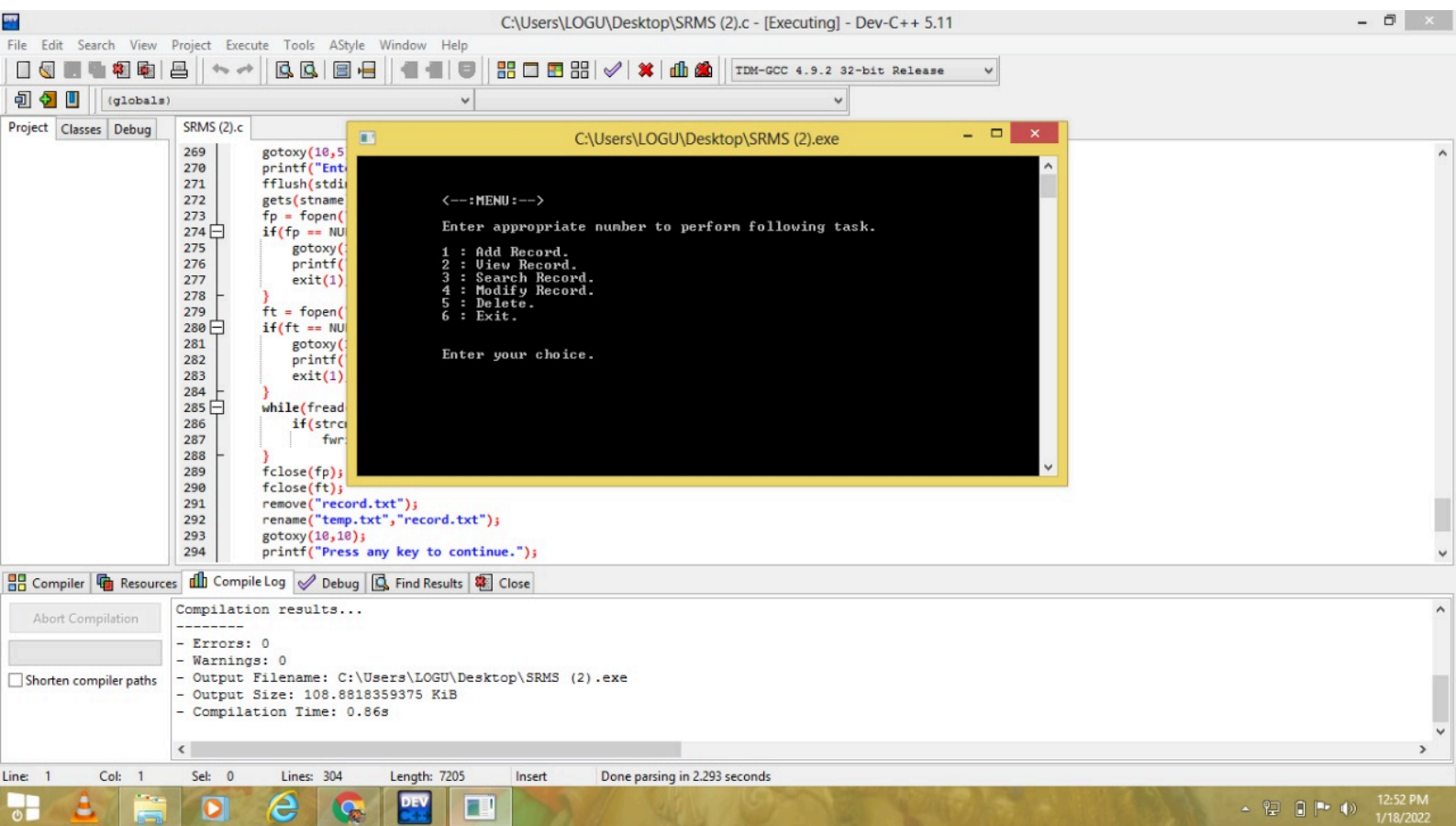
```

        fflush(stdin);
        gets(std.branch);
        fseek(fp, -sizeof(std), SEEK_CUR);
        fwrite(&std, sizeof(std), 1, fp);
        break;
    }
}
fclose(fp);
gotoxy(10, 16);
printf("Press any key to continue.");
getch();
menu();
}

void deleterec()
{
    char stname[20];
    FILE *fp, *ft;
    struct student std;
    system("cls");
    gotoxy(10, 3);
    printf("<--:DELETE RECORD:-->");
    gotoxy(10, 5);
    printf("Enter name of student to delete record : ");
    fflush(stdin);
    gets(stname);
    fp = fopen("record.txt", "rb+");
    if(fp == NULL){
        gotoxy(10, 6);
        printf("Error opening file");
        exit(1);
    }
    ft = fopen("temp.txt", "wb+");
    if(ft == NULL){
        gotoxy(10, 6);
        printf("Error opening file");
        exit(1);
    }
    while(fread(&std, sizeof(std), 1, fp) == 1){
        if(strcmp(stname, std.name) != 0)
            fwrite(&std, sizeof(std), 1, ft);
    }
    fclose(fp);

```

```
fclose(ft);
remove("record.txt");
rename("temp.txt","record.txt");
gotoxy(10,10);
printf("Press any key to continue.");
getch();
menu();
}
void gotoxy(int x,int y)
{
    COORD c;
    c.X=x;
    c.Y=y;
    SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE),c);
}
```

C:\Users\LOGU\Desktop\SRMS (2).c - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

SRMS (2).c

```
269 gotoxy(10,5)
270 printf("Enter student details:");
271 fflush(stdin);
272 gets(stname);
273 fp = fopen("record.txt", "a");
274 if(fp == NULL)
275 {
276     gotoxy(10,5);
277     printf("File not found!\n");
278     exit(1);
279 }
280 ft = fopen("temp.txt", "a");
281 if(ft == NULL)
282 {
283     gotoxy(10,5);
284     printf("File not found!\n");
285     exit(1);
286 }
287 while(fread(stname, sizeof(char), 1, ft) != 0)
288 {
289     fgetc(ft);
290     fgetc(ft);
291     remove("record.txt");
292     rename("temp.txt", "record.txt");
293     gotoxy(10,10);
294     printf("Press any key to continue.");
```

C:\Users\LOGU\Desktop\SRMS (2).exe

<---:VIEW RECORD:-->

S.No	Name of Student	Mobile No	Roll No	Course	Branch
1	THIRUGMANASAMBANDAR	9865178453	41	CIVIL	CORE
2	SUJAY GUTTLA	9784756364	32	CIVIL	CORE
3	SIVAPRAKASH	9812345678	52	CIVIL	CORE

Press any key to continue._

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\LOGU\Desktop\SRMS (2).exe
- Output Size: 108.8818359375 KiB
- Compilation Time: 0.86s

Line: 1 Col: 1 Sel: 0 Lines: 304 Length: 7205 Insert Done parsing in 2.293 seconds

12:51 PM 1/18/2022